

County ValleyTwp. 29 NRge. 38 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
2	Nelson, Floyd	GW 4	439025	18452
4	Etchart Land Co.	4	438936	
4	" " "	4	438937	
4	" " "	4	438938	
4	Putz, Wayne J. Sr.	4	438098	
5	Cornwell Ranch	4	439238	
5	Etchart Land Co.	4	438939	
5	" " "	4	438940	
5	" " "	4	438941	
5	" " "	4	438945	
6	Etchart Ranch	Well log	420080	
6	Martin, Iver W.	GW 4	438651	
6	Malvig, Chris & Agnes	4	439305	
8	" " "	4	439306	
8/9	Inttunen, Waine H.	4	427510	
9	Etchart Bros.	GW 2	20692	
9	" " "	2	20693	
9	" " "	2	20694	
9	Knudson, Maurice H.	2	438720	
9	" " "	GW 4	438721	
9	Taylor, Nuncie J.	GW 2	436201	
10	Etchart Bros.	2	401352	
14	Etchart Land Co.	GW 4	438934	
14	" " "	4	438932	
14	" " "	4	438934	
14	Etchart Ranch	Well log	415380	
14	Rice, Thomas & Lucille	" "	15624	
14	Rice, Thomas Robert	GW 4	438092	
15	Etchart Land Co.	4	438935	
15	Saushajus, Walter and Elinor	4	439226	
15	" " "	4	439227	
16	Anderson, Ashley C.	4	429466	
16	Brooten, Norris C. and Annette	4	438918	
16	Luck, Oger	4	438965	
17	Malvig, Chris & Agnes	4	438207	
19	Billingsley, James	GW 2	438564	
21	Anderson, A.C. & Lok E.	2	448057	
21	Anderson, Ashley C.	GW 4	436877	
21	Billingsley, James	4	438871	
21	Hinningsen, Lloyd and Payline	4	439177	
22	Saper, Mabel	4	438903	
23	Rice, David J.	4	438713	
23	Riggin, Walter	GW 2	472936	

## GROUNDWATER INDEX

Page 2 of 2

County Valley

Twp. 29N

Rge. 38 E

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File No. ....

T. 29 R. 38

DUPLICATE

County

Valley

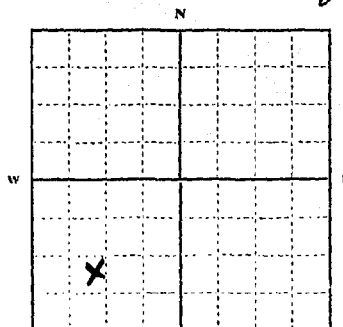
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 17 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Floyd Nelson, of Laurel, Mont  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Mont.  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SWSW

1/4 Sec. 2 T. 29 R. 38

Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based  
livestock and household

3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
1910

4. The amount of groundwater claimed (in miner's inches or gallons per minute)  
7 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
Not land irrigated

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
1910

8. The depth of water table  
30 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
100 ft deep - bench casing

10. The estimated amount of groundwater withdrawn each year  
600,000

11. The log of formations encountered in the drilling of each well if available  
see below

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record  
None

Signature of Owner

Floyd Nelson

Date

12-30-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.

38064

439025

18452

DEC 30 1963

3:40

P

MARY LOUISE CLARK  
Valley County

File No. ....

T. 29 R. 38

DUPLICATE

County Valley

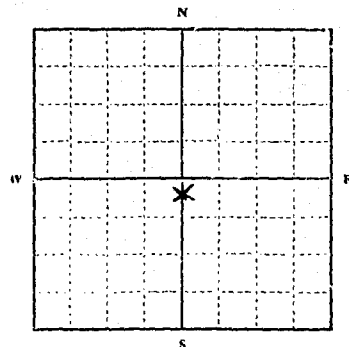
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 17 1964  
STATE ENGINEER

1. ETCHART LAND COMPANY, a corporation of Tampico  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 SW Sec. 4 T. 29 R. 38

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Stock water  
well
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1950 - continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 40 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1950
8. The depth of water table 20 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 inch casing, 3 inch cylinder with pump  
jack, 40 feet deep
10. The estimated amount of groundwater withdrawn each year 1,440,000 gallons
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

ETCHART LAND COMPANY

By Signature of Owner

Mark Etchart

President

Date December, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

37981

438936

18368

DEC 2 1963

1.00

P

MARY LOU EIDE Clerk & Recorder  
Valley County

File No. ....

T. 29 R. 38

DUPLICATE

County Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

R

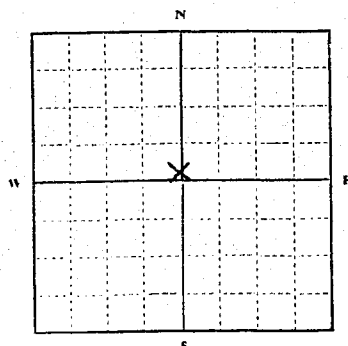
JAN 17 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. ETCHART LAND COMPANY, a corporation of Tampico  
(Name of Appropriator) (Address) (Town)

County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 SW Sec. 4 T. 29 R. 38

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Stock water well

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1935 - continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 40 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1935

8. The depth of water table 20 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 inch casing, 3 inch cylinder with pump jack and float control on stock tank, 40 feet deep

10. The estimated amount of groundwater withdrawn each year 200,000 gallons per year

11. The log of formations encountered in the drilling of each well if available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

ETCHART LAND COMPANY

By: Signature of Owner

Mark Etchart  
PresidentDate December 12, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

37982

438937

18369

DEC 30 1963

1:00

*AP*

MAINTENANCE Clerk & Recorder



GV

File No. ....

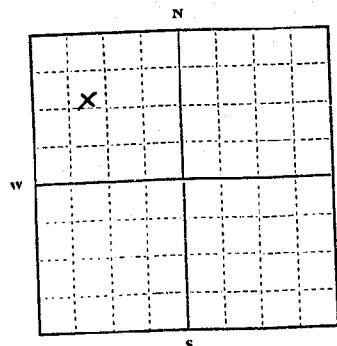
DUPLICATE

T. 29 N. R. 38  
County ValleySTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 17 1964

Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1961)

1. ETCHART LAND COMPANY, a corporation, of Tampico  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NW Sec. 4 T. 29 R. 38

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based. Stock water well
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1946 - continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 30 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1946
8. The depth of water table. 20 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 6 inch casing, 3 inch cylinder with pump jack, 50 feet deep
10. The estimated amount of groundwater withdrawn each year. 100,000 gallons per year
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

ETCHART LAND COMPANY

By: Signature of Owner

President

Date December 12, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

37983

438938

18370

1000 ... R

1000 ... R

1000 ... R

1000 ... R

G

Approved Stock Form—State Publishing Co., Helena, Montana—39089

File No. ....

T. 29 R. 38

DUPLICATE

County Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

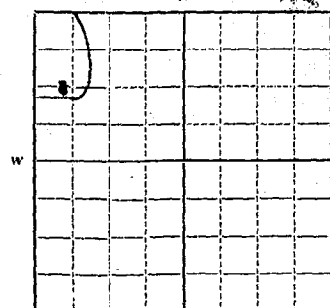
RECEIVED  
DEC 9 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Wayne J. Pitz Jr. of Glasgow Montana  
(Name of Appropriator) (Address) (Town)  
County of Gallatin State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 4 T. 29 N. R. 38 E.

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based.....

Gravelly Reach use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....

1936 well drilled and has been in use to date

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....

unknown

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....

Centrifugal Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....

8. The depth of water table.....

296 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....

10. The estimated amount of groundwater withdrawn each year.....

unknown

11. The log of formations encountered in the drilling of each well if available.....

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....

Signature of Owner.....

Date Dec 6, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

438098

17953

STATE OF MONTANA  
County of Valley  
Filed for record

DEC 6 1963

10:45  
Mary Lou Eide  
Pauline Jacobson

File No. ....

T. 29 R. 38 E.

DUPLICATE

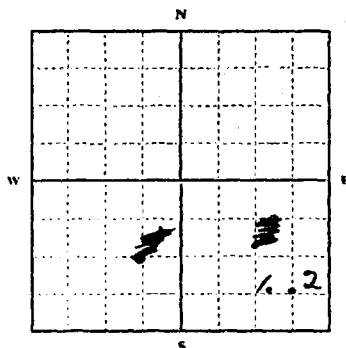
County Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Cornwell Ranch, of Tamayo  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE Sec. 5 T. 29 R. 38

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based livestock  
& household wells no. 1 & 2
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1938 no. 1 & 2
4. The amount of groundwater claimed (in miner's inches or gallons per minute) no. 1 & 2 - 10 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal cylinder  
type pump well no. 1 & 2
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater well No 1 - 1938  
well No 2 - 1960
8. The depth of water table
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater #1 & 2 drilled, 2" casing
10. The estimated amount of groundwater withdrawn each year #1 & 2 1,000,000
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Cornwell Ranch  
Walter Cornwell, Inc.

Date

Dec. 31 - 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator

37076

439238

18650

DEC 1 1963

4:30

P.

AMERICAN AIRLINES  
WASHINGTON, D.C.

File No. ....

T. 29 N. R. 38 E

DUPLICATE

County Valley

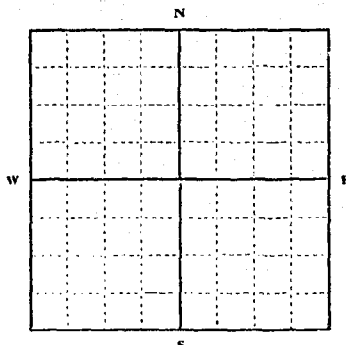
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 17 1964  
STATE ENGINEER

1. ETCHART LAND COMPANY, a corporation of Tampico  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 SE Sec 5 T. 29 N. R. 38

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Stock water well
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1954 - intermittently used
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 40 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1954
8. The depth of water table 20 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 inch casing, 3 inch cylinder and pump jack, 50 feet deep
10. The estimated amount of groundwater withdrawn each year 216,000
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

ETCHART LAND COMPANY

by: Signature of Owner

Mark Etchart  
President

Date December 12, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quaduplicate for the Appropriator.

37984

438939

18371

DEC 1962

1:00

P

NEW YORK STATE Chief Recorder



File No. ....

T. 29 N. R. 38 E.

DUPLICATE

County Valley

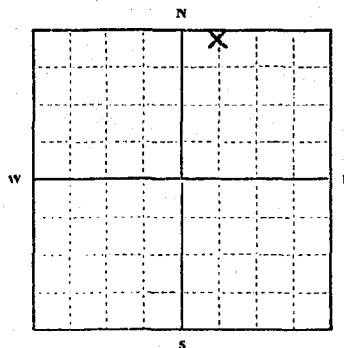
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 17 1964  
STATE ENGINEER

1. ETCHART LAND COMPANY, a corporation, of Tampico  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NE Sec. 5 T. 29 R. 38

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Stock water well
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1925 - continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 40 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1925
8. The depth of water table 20 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 inch casing, 3 inch cylinder, 35 feet
10. The estimated amount of groundwater withdrawn each year 2,880,000
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

ETCHART LAND COMPANY

By: Signature of Owner

Mark Etchart  
PresidentDate December 12, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quaduplicate for the Appropriator.

37985

438940

18372

DEC 2 1963

1.00

MARY LOU A. OF Clerk & Recorder  
Valley County

GV

Approved Stock Form—State Publishing Co., Helena, Montana—41338

File No. ....

T. 29 R. 38

DUPLICATE

County. Valley

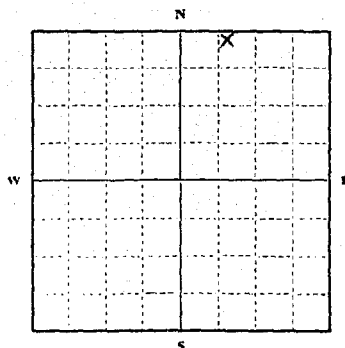
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

JAN 17 1964

1. ETCHART LAND COMPANY, a corporation Tampico  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



2. The beneficial use on which the claim is based Family dwelling and shop building

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1925 - continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
Electric pump with water pressure system

NW 1/4 NE Sec. 5 T29 R. 38

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1925

8. The depth of water table 20 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 inch casing, 3 inch cylinder, 35 feet deep pressure water system

10. The estimated amount of groundwater withdrawn each year 125,000 gallons per year

11. The log of formations encountered in the drilling of each well if available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

ETCHART LAND COMPANY

By: Signature of Owner Mark Etchart

President

Date December 12, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

37986

438941

18373

1100 P.  
MARY LOUISE Clerk & Recorder  
National Society

File No. ....

T 29 R 38

DUPLICATE

County Valley

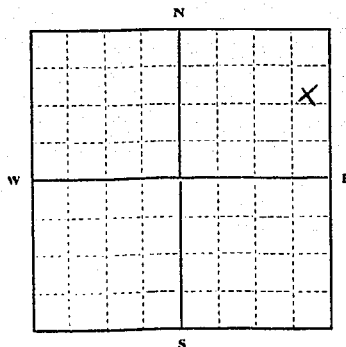
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 17 1964  
STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

ETCHART LAND COMPANY, a corporation, of Tampico  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 NW Sec 5 T. 29. R. 38

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Family dwelling
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1950 - continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1950
8. The depth of water table 20 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 inch casing, 1 submersible pump, 35 feet deep
10. The estimated amount of groundwater withdrawn each year 100,000 gallons per year
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

ETCHART LAND COMPANY  
By: Signature of Owner Mark Etchart  
President  
Date December 12, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

37940

438895

18327

DEC 3 1969

11.00

P

STATE OF NEW YORK

T. 29N R. 38E 6  
County VALLEY

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
JAN 1 1961

WATER WELL LOG

STATE ENGINEER

*		

Owner Edward Smith Address 512  
Driller Carl P. Lee Address 512  
Date Started 1/1/61 Date Completed 1/1/61  
Location: Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ 1/4 sec. \_\_\_\_\_

Type of well Drilled Equipment used Churn  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other: \_\_\_\_\_

Casing: 7.5 ft. to 10 ft. Type 4 in. dia. Size 4 in.

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations \_\_\_\_\_

Static Water level, for non-flowing well: \_\_\_\_\_ feet.

Shut-in pressure, for flowing well: \_\_\_\_\_ lb./sq. in. on: \_\_\_\_\_ (date)

Pumping water level \_\_\_\_\_ feet at \_\_\_\_\_ gal. per min.

How tested: \_\_\_\_\_

Length of test \_\_\_\_\_

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

T. 29N R. 38E sec. 6County VALLEYMONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

## WATER WELL LOG

RECEIVED  
JAN 1 1961

STATE ENGINEER

*		

Owner Elbert Ranch

Address

Driller Conrad Palmer

Address

Date Started 1/2/61Date Completed 1/6/61Location: Sec. T. R.  $\frac{1}{4}$  sec.

Type of well

Drilled

Equipment used

Churn

(Dug, driven, bored, or drilled)

(Churn drill, rotary, other)

Water use: Domestic ☐Municipal ☐Stock ☒Irrigation ☐Industrial ☐Drainage ☐

Other:

Casing: 70P

ft. to

105

ft.

Type

6" 105 ft.

Size

4 1/2" 40

Casing:

ft. to

ft.

Type

Size

Casing:

ft. to

ft.

Type

Size

Perforated or Screened: Ft.

to ft.

Ft.

to ft.

Type of screen or perforations

Static Water level for non-flowing well:

feet

Shut-in pressure, for flowing well:

lb./sq. in. on:

(date)

Pumping water level:

feet at

gal. per min.

How tested:

Length of test:

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

60-300 ft. packed from 105 ft. to 140

(over)



### Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	1.0	Soft mud
1.0	2.0	Very soft mud
2.0	3.0	Soft mud
3.0	4.0	Soft mud
4.0	5.0	Soft mud
5.0	6.0	Soft mud
6.0	7.0	Soft mud
7.0	8.0	Soft mud
8.0	9.0	Soft mud
9.0	10.0	Soft mud
10.0	11.0	Soft mud
11.0	12.0	Soft mud
12.0	13.0	Soft mud
13.0	14.0	Soft mud
14.0	15.0	Soft mud
15.0	16.0	Soft mud
16.0	17.0	Soft mud
17.0	18.0	Soft mud
18.0	19.0	Soft mud
19.0	20.0	Soft mud
20.0	21.0	Soft mud
21.0	22.0	Soft mud
22.0	23.0	Soft mud
23.0	24.0	Soft mud
24.0	25.0	Soft mud
25.0	26.0	Soft mud
26.0	27.0	Soft mud
27.0	28.0	Soft mud
28.0	29.0	Soft mud
29.0	30.0	Soft mud
30.0	31.0	Soft mud
31.0	32.0	Soft mud
32.0	33.0	Soft mud
33.0	34.0	Soft mud
34.0	35.0	Soft mud
35.0	36.0	Soft mud
36.0	37.0	Soft mud
37.0	38.0	Soft mud
38.0	39.0	Soft mud
39.0	40.0	Soft mud
40.0	41.0	Soft mud
41.0	42.0	Soft mud
42.0	43.0	Soft mud
43.0	44.0	Soft mud
44.0	45.0	Soft mud
45.0	46.0	Soft mud
46.0	47.0	Soft mud
47.0	48.0	Soft mud
48.0	49.0	Soft mud
49.0	50.0	Soft mud
50.0	51.0	Soft mud
51.0	52.0	Soft mud
52.0	53.0	Soft mud
53.0	54.0	Soft mud
54.0	55.0	Soft mud
55.0	56.0	Soft mud
56.0	57.0	Soft mud
57.0	58.0	Soft mud
58.0	59.0	Soft mud
59.0	60.0	Soft mud
60.0	61.0	Soft mud
61.0	62.0	Soft mud
62.0	63.0	Soft mud
63.0	64.0	Soft mud
64.0	65.0	Soft mud
65.0	66.0	Soft mud
66.0	67.0	Soft mud
67.0	68.0	Soft mud
68.0	69.0	Soft mud
69.0	70.0	Soft mud
70.0	71.0	Soft mud
71.0	72.0	Soft mud
72.0	73.0	Soft mud
73.0	74.0	Soft mud
74.0	75.0	Soft mud
75.0	76.0	Soft mud
76.0	77.0	Soft mud
77.0	78.0	Soft mud
78.0	79.0	Soft mud
79.0	80.0	Soft mud
80.0	81.0	Soft mud
81.0	82.0	Soft mud
82.0	83.0	Soft mud
83.0	84.0	Soft mud
84.0	85.0	Soft mud
85.0	86.0	Soft mud
86.0	87.0	Soft mud
87.0	88.0	Soft mud
88.0	89.0	Soft mud
89.0	90.0	Soft mud
90.0	91.0	Soft mud
91.0	92.0	Soft mud
92.0	93.0	Soft mud
93.0	94.0	Soft mud
94.0	95.0	Soft mud
95.0	96.0	Soft mud
96.0	97.0	Soft mud
97.0	98.0	Soft mud
98.0	99.0	Soft mud
99.0	100.0	Soft mud

420080

三

### Log of Well

[illegible]

STATE OF MONTANA,  
County of Valley.  
Filed for record

1561 / JAN 2 5

800	Shay	Courty Recorder	Dopert
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**Disputes:**

421080

15780

File No. ....

T. 29 R. 38

DUPLICATE

County Valley

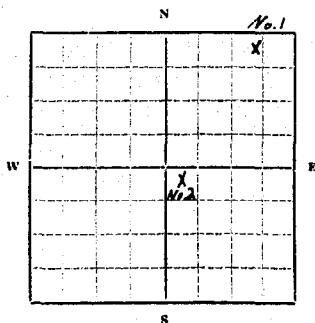
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 30 1963

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER

1. Iver W. Martin of Tampico  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4

SE 1/4 Sec. 6 T29. R38.

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Domestic and stock wells
3. Date or approximate date of earliest beneficial use; and how continuous the use has been No. 1 - Since 1942; No. 2 - 1917
4. The amount of groundwater claimed (in miner's inches or gallons per minute) No. 1 and 2 - 50 to 100 gal. per day
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Deep well pumps
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater No. 1 - 1942, Deep well pump; No. 2 - 1917, Deep well pump
8. The depth of water table No. 1 - 68 feet; No. 2 - 100 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater No. 1 - 101 ft. water table - 6" casing, electric pump; No. 2 - Depth - 135 ft. water table - 100 ft. - 6" casing, electric pump
10. The estimated amount of groundwater withdrawn each year No. 1 - 20,000 gal. per year; No. 2 - 40,000 gal. per year
11. The log of formations encountered in the drilling of each well if available: Well log filed in Helena, Montana; not available to owner at this time
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record I do not know of any other records except at the Montana State office at Helena.

Signature of Owner Iver W. MartinDate Dec 26-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator

438651

1S148

STATE OF MONTANA } ss  
County of Valley.

Subscribed and sworn to before me this 10th day of December, 1963.

DEC 28 1963

MARY LOUISE Clerk & Recorder  
Valley County

*Pauline Jackson*

File No.

T. 27 R. 38

DUPLICATE

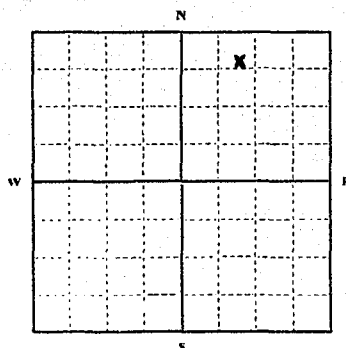
County Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. CHRIS & AGNES MOLVIG, of Tampico  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NE Sec. 6 T. 27 R. 38

Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based Household & Feed Lot

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1940 - Continuous Use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 GAL PER minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pressure System Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1940

8. The depth of water table 90 Feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 100 FT Deep 4 inch Casing

10. The estimated amount of groundwater withdrawn each year 1,095,000 GAL ea. yr.

11. The log of formations encountered in the drilling of each well if available SAND & GRAVEL

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Chris & Agnes MolvigDate December 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

439305

18712

STATE OF MONTANA  
County of Valley

Filed for Record

DEC 31 1963

<sup>445</sup> <sup>P.</sup>  
MARY LOU ECK CLARK Recorder  
Valley City, Mont.

File No. ....

T 29 R 38

DUPLICATE

County Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights** JAN 16 1964  
(Under Chapter 237, Montana Session Laws, 1961)

1. Chris & Agnes Malaig of Jampico (Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

N	
W	E
X #1	X #2

#1 NW SW  
#2 SW 1/4 SW Sec. 8 T. 29 R. 38

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based (Both) Livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been #1 - 1910  
#2 - 1945
4. The amount of groundwater claimed (in miner's inches or gallons per minute) #1 472 5 gal per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Both - pumps
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater #1 1910  
#2 1945
8. The depth of water table #1 20 feet #2 20 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 45 feet (both) 4 inch casings
10. The estimated amount of groundwater withdrawn each year 1.2 - 10,000 gal (each)
11. The log of formations encountered in the drilling of each well if available Sand & gravel
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Chris & Agnes MalaigDate December 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

37134

439306

18713

STATE OF MONTANA, } ss.  
County of Valley.  
Plat No. 18713

DEC 31 1963

*445* *P.*  
MAYOR & CLERK & Recorder  
COUNTY CLERK



File No. ....

DUPLICATE

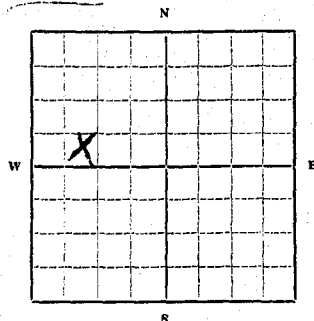
T. 24<sup>N</sup> R. 38<sup>E</sup> 19County VALLEY

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. WAINO H. ANTONEN of TAMPICO (Name of Appropriator) (Address) (Town)  
County of VALLEY State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 8 T. 24 R. 38  
Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based This well was drilled before I bought it
3. Date or approximate date of earliest beneficial use; and how continuous the use has been I have used it since 1938
4. The amount of groundwater claimed (in miner's inches or gallons per minute) not sure maybe about 25 gals per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof no irrigation just ph. house use I had stock before but now I have no stock
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric water pump some times a wind mill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater I do not know when dug
8. The depth of water table Well about 48 feet deep top of water 25 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater This well is 4 inch casing and I have a 1 1/2 inch pipe and 3 inch pipe
10. The estimated amount of groundwater withdrawn each year I have no idea
11. The log of formations encountered in the drilling of each well if available not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act including reference to book and page of any county record I do not know who drilled it

Signature of Owner Waino H. AntonenDate 3-5-1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

427510

17285

STATE OF MONTANA, } ss.  
County of Valley.

Filed for record

MAR 8 1962

at 2:00 o'clock P.M.

Mary Ann Gids  
County Clerk

By Pauline Jacobson Deputy

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner ETCHART Bros  
Address TAMPIO MONT.  
Date well started 6-29-72  
completed 7-3-72

For Administrator's Use  
File 20692  
August 15, 1972 2:08 p.m.  
GW 1

Type of well drilled  
(Dug, driven, bored or drilled)

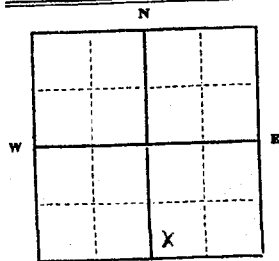
Equipment used CAMAN  
(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

\*Describe  
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
<u>5"</u>	<u>4 1/2" 10 lb</u>	<u>Top</u>	<u>58</u>	Kind Size From (Feet) To (Feet)
	<u>6 3/4" 16 lb</u>			
	<u>CALV</u>			



S. 18 1/2 S. E. 1/4 Sec. 7  
T. 29 N. R. 3 E.

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Roderick Eiskson

Driller's Address SACS MONT.

LICENSE NO. 220

RECEIVED  
AUG 15 1972

County Valley 9

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level <u>2230</u> )	
From (Feet)	To (Feet)
<u>0</u>	<u>35</u>
	<u>BROWN Sandy Clay</u>
<u>35</u>	<u>48</u>
	<u>BLUE Clay</u>
<u>48</u>	<u>57</u>
	<u>SAND</u>
<u>57</u>	<u>58</u>
	<u>COURSES SAND</u>
	<u>GRAVEL WATER</u>

Static water level 10 ft.\*  
Pumping water level 20 ft.\*  
at 20 gallons per minute,  
measured 20 minutes after pumping  
began.  
\*Measured from ground level.  
Well developed by backing  
for 2 hours.  
Power 2 Pump 2 HP  
Remarks: (Gravel packing, cementing,  
packers, type of shutoff)

50 Show exact depth of bottom

5/155

20692

STATE OF MONTANA }  
County of Valley } ss.  
Filed for Record

AUG 15 1972

at 2:40 o'clock P. M.

Mary Lou Eide  
County Recorder

By Mary Ceb Deputy

RECEIVED

County

Valley 9

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner EXCHART Bros.

Address TAMICO MONT.

Date well started 7-8-72

completed 7-15-72

Type of well drilled

Equipment used CHURN

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

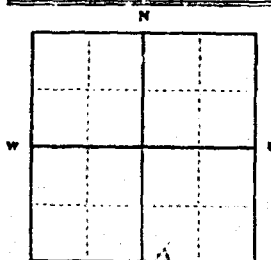
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

\*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
5"	4 1/2" ID GALV 6 1/4" LB	TOP	168	Kind Size From (Feet) To (Feet)



Static water level 22 ft.\*  
Pumping water level 140 ft.\*  
at 7 gallons per minute,  
measured 7 minutes after pumping  
began.  
\*Measured from ground level.  
Well developed by Reling  
for 4 hours.  
Power        Pump        HP  
Remarks: (Gravel packing, cementing,  
packers, type of shutoff)

SE 1/4 Sec 7  
T. 29 N. R. 38 E  
S W

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.  
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Robert Erickson

Driller's Address SACO MONT

LICENSE NO. 220

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level) 2230

From (Feet)	To (Feet)	
0	32	BROWN SAND
32	100	BLUE CLAY
100	123	GRAVEL WATER
123	149	SAND
149	150	BLUE SANDY CLAY
150	160	BLUE CLAY
160	150	SAND STONE
150	167	BLUE CLAY
167	168	GRAVEL WATER
168	180	BLUE CLAY

180

Show exact depth of bottom

51,156

20693

STATE OF MONTANA } ss.  
County of Valley  
Filed for Record

AUG 15 1972

at 2:00 o'clock P.M.  
Phyllis L. Linder  
County Recorder  
By \_\_\_\_\_ Deputy

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Richard Bro's

Address TAMPAICO MONT

Date well started 7-17-72

completed 7-25-72

Type of well drilled

Equipment used CHURN

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

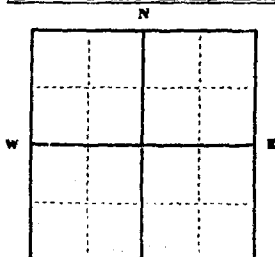
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

\*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
5"	4 1/2" ID CATV 6 3/4" L	Top	158	Kind Size	From (Feet)	To (Feet)



Static water level 19 ft.\*  
Pumping water level 42 ft.\*  
at 16 gallons per minute,  
measured        minutes after pumping began.

\*Measured from ground level.  
Well developed by DALING  
for        hours.  
Power        Pump        HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff)

S. H. S. V. L. S. P. 9  
T. 24 N. R. 18 E. S. 17

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Robert E. Erickson

Driller's Address Spaco Mont

LICENSE NO. 220

County Valley 9

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground		(Elev. above sea level) <u>2230</u>
From (Feet)	To (Feet)	
0	30	BROWN SAND
30	70	BLUE CLAY
70	110	SAND AND WATER
110	142	BLUE CLAY
142	150	SAND STONE
150	158	BLUE CLAY
158	160	GRAVEL AND WATER
160	180	BLUE CLAY

180 Show exact depth of bottom

51,159

20694

STATE OF MONTANA } ss.  
County of Valley  
Filed for Record

AUG 15 1972

at 2:00 o'clock P. M.

Therese Louise Baker  
County Recorder

By \_\_\_\_\_ Deputy



File No. ....

T. 29 R. 38

DUPLICATE

County Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 16 1964

Notice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Maurice H. Knudsen Address Ellinger, MontDriller Walter L. Luce Address Elkington, Mont

Date of Notice of Appropriation of Groundwater .....

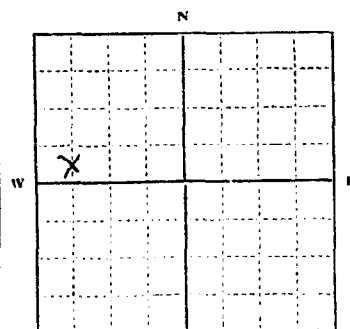
Date well started June 8, 63 Date Completed June 12, 63

Type of well drilled Equipment Used rotary  
(dag, driven, bored or (Churn, drill, rotary or  
drilled) other)

Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Stock ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 in.	7 3/4 lb.	21-6 ft				
4 1/2 in.	4 3/4 lb.					



SW 1/4 Sec. 9 T29 R25  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 20-8 feet.

Shut-in Pressure for Flowing Well .....

Pumping Water Level 26 ft feet at 15 gal. per minute.

Discharge in gal. per min. of flowing well .....

How Tested purged Length of Test 3 hrs

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) .....

Driller's License Number 214Driller's Signature Walter L. Luce

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

3680

438720

18194

STATE OF MONTANA, } ss.  
County of Valley.

Filed for record

DEC 27 1963

at 10:30 o'clock 2 M.  
MARY LOU EIDE Clerk & Recorder  
Valley County

By \_\_\_\_\_ Deputy

File No. ....

T 29 R 38

DUPLICATE

County VALLEY

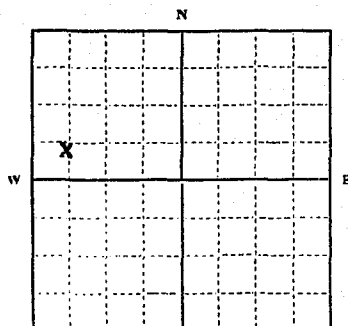
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECORDED  
JAN 16 1964

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **MAURICE H. KRUDSON**, of **GLASGOW**, **MONTANA**  
(Name of Appropriator) (Address) (Town)  
County of **VALLEY** State of **MONTANA**  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SWNE S  
1/4 Sec 9 T. 29 R. 38

Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

- The beneficial use on which the claim is based.  
**Stock water**
- Date or approximate date of earliest beneficial use; and how continuous the use has been.  
**1941**
- The amount of groundwater claimed (in miner's inches or gallons per minute).  
**15 gallons per minute**
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.  
**Not to be used for irrigation**
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.  
**Pump with electric motor**
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.  
**1941**
- The depth of water table.  
**20 feet**
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.  
**44 45 feet deep - 6 inch black pipe casing**
- The estimated amount of groundwater withdrawn each year.  
**500,000 gallons per year**
- The log of formations encountered in the drilling of each well if available.  
**0 - 10 feet to gumbo 10 - 20 feet sand 20 - 41 feet hi quick sand  
41 - 45 feet blue clay**
- Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.  
**Not recorded**

Signature of Owner

Date 12-27-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

36811

438721

18195

STATE OF MONTANA, } ss.  
County of Valley, }

Filed for record

DEC 27 1963

At 10:30 o'clock A.M.  
MARY LOU EIDE Clerk & Recorder  
Valley County

By \_\_\_\_\_

File No. ....

T. 29 N. R. 38 E.

DUPLICATE

County Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER  
OFFICE OF STATE ENGINEER

RECEIVED  
AUG 3 1961

Notice of Completion of Groundwater  
Appropriation by Measurement

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level.....)

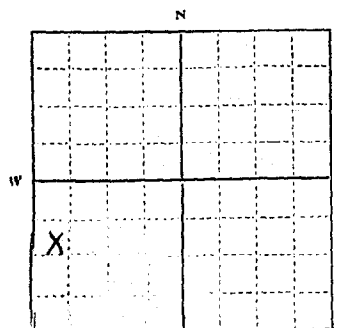
Owner M. M. Taylor Address.....Driller Walter Luse Address Wagon

Date of Notice of Appropriation of Groundwater.....

Date well started July 1 Date Completed July 2Type of well drilled Equipment Used rotary  
(dug, driven, bored or (Churn, drill, rotary or  
drilled) other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Stock ☒

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>5 in.</u>	<u>7 3/4 lb</u>			<u>4 1/2</u>		



SW 1/4 Sec. 9 T. 29 N. R. 38 E.  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 18-8 in from top feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level 25 ft feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well.....

How Tested pumped Length of Test 3 hrs

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation).....

44  
Driller's License Number

Walter Luse  
Driller's Signature

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

436201

17829

STATE OF MONTANA, } ss.  
County of Valley.

Filed for record

AUG 2 1963

at 1:30 o'clock P. M.

Mary Ann Bide  
County Recorder

By Pauline Jackson Deputy

File No. 20693  
This is to replace Water Well Log filed 8-15-72  
in the office of the Valley County Clerk and Recorder  
as Misc. File No. 100

T. 29 N. R. 38 E  
County. VALLEY

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater  
Appropriation by Means of Well  
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground  
(Elev. above sea level. 2230.....)

0 - 32 Brown Sand  
32- 60 Blue Clay  
60- 63 Gravel & Water  
63- 98 Sand  
98- 130 Blue Sandy Clay  
130-140 Blue Clay  
140-150 Sand Stone  
150-167 Blue Clay  
167-168 Gravel Water  
168-180 Blue Clay

Owner..... Etchart Bros. Address..... Tampico, Mont.  
Driller..... Roderick Erickson Address..... Saco, Montana  
Date of Notice of appropriation of groundwater.....  
Date well started..... 7-8-72 Date completed..... 7-15-72

Type of well..... drilled Equipment used..... churn  
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

180 exact depth of bottom

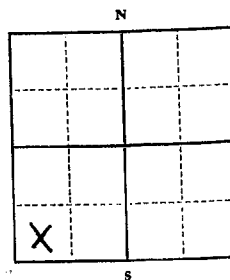
Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐  
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

RECEIVED

DEC 24 1972

RECEIVED  
DEPARTMENT OF NATURAL  
RESOURCES

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5"	4 1/2 ID Galv. 6 3/4 lbs	top	168			



Doc. No. 20693; 481332 W  
Filed for record  
this 19th day of December  
A. D. 1972, at 3:30  
o'clock P. M.

Static Water Level for non-flowing well  
..... 22 feet.  
Shut-in Pressure for Flowing Well.....  
Pumping Water Level..... 140 feet  
at..... 7 gal. per minute.  
Discharge in gal. per min. of flowing well

How Tested..... baling  
Length of Test..... 4 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff).....

SWSW 1/4 Sec. 10. T. 29. R. 38  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

.....

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

220  
Driller's License Number  
Roderick Erickson  
Driller's Signature

52,047

481332

20693

STATE OF MONTANA }  
County of Valley } ss.  
Filed for Record

DEC 19 1972

at 3:30 o'clock P.M.

Harry Lee Eide  
County Recorder  
By Harry Lee Eide Deputy



File No. ....

T. 29 R. 38

DUPLICATE

County. Valley

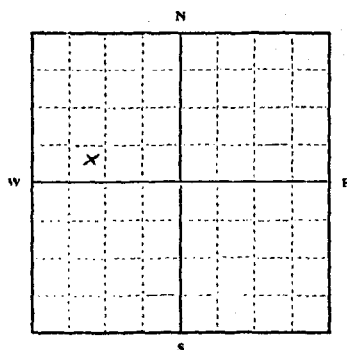
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 17 1964  
STATE ENGINEER

### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. ETCHART LAND COMPANY of Tampico  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 NW Sec. 14 T. 29. R. 38

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based. Stock water well

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1947 - continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 30 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
Electric driven pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1947

8. The depth of water table. 35 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 6" casing, 4" cylinder, 70' deep

10. The estimated amount of groundwater withdrawn each year.

11. The log of formations encountered in the drilling of each well if available.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

ETCHART LAND COMPANY

By Signature of Owner

Mark Etchart  
President

Date December 19, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quaduplicate for the Appropriator.

37779

438934

18366

DEC 10 1963

1.00

BY LOU HIDE Clerk & Recorder  
Valley County

File No. ....

T. 29 R. 38

DUPLICATE

County Valley

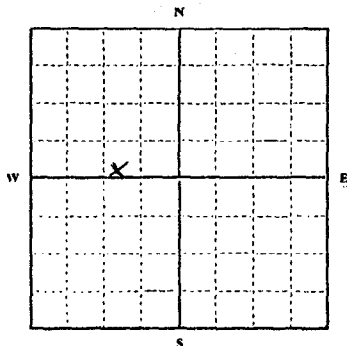
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 17 1964

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. ETCHART LAND COMPANY, of Tampico  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NW Sec 14 T29 R38

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Ranch home dwelling; also stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1928 - continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1928

8. The depth of water table 35 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6" casing-subpressure - 70' deep

10. The estimated amount of groundwater withdrawn each year 1,200,000 gallons per year

11. The log of formations encountered in the drilling of each well if available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

ETCHART LAND COMPANY

By: Signature of Owner Mont Etchart  
President  
Date December 19, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quaduplicate for the Appropriator.

37977

438932

18364

DEC 1963

1:00

MARY LOU FINE Clerk & Recorder  
VANDERBILT COUNTY

File No. ....

T. 29 R. 38

DUPLICATE

County Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

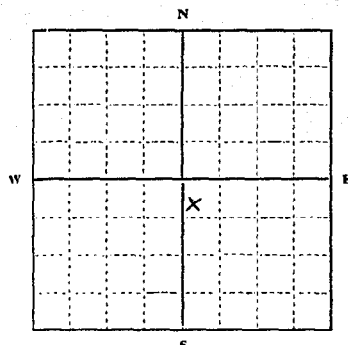
JAN 16 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. ETCHART LAND COMPANY of Tompico  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



2. The beneficial use on which the claim is based Ranch home dwelling

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1960 - continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump

N. 45 E. Sec. 14 T. 29 R. 38

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1960

8. The depth of water table 45 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4" casing, 1" pipe, 135' deep

10. The estimated amount of groundwater withdrawn each year 300,000 gallons per year

11. The log of formations encountered in the drilling of each well if available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

ETCHART LAND COMPANY

By: Signature of Owner

Mark Etchart  
PresidentDate December 19, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

36899

439054

18473

STATE OF MONTANA  
County of \_\_\_\_\_

Filed for \_\_\_\_\_

DEC 31 1953

9:50 *h*  
MARY LOUISE Clerk & Recorder  
Valley County

RECEIVED  
MAY 25 1960  
STATE ENGINEER

T. 29N R. 38E  
County VALLEY

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner..... Address.....

Driller..... Address.....

Date Started..... Date Completed.....

Location: Sec. 14 T. 29 R. 38 1/4 sec. NE 1/4 SW 1/4

Type of well..... Equipment used.....  
(Dug, driven, bored, or drilled) (Chain drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other:.....

Casing:..... ft. to..... ft. Type..... Size.....

Casing:..... ft. to..... ft. Type..... Size.....

Casing:..... ft. to..... ft. Type..... Size.....

Perforated or Screened: Ft..... to ft..... Ft..... to ft.....

Type of screen or perforations.....

Static Water level, for non-flowing well:..... feet.

Shut-in pressure, for flowing well:..... lb./sq. in. on:..... (date)

Pumping water level..... feet at..... gal. per min.

How tested:.....

Length of test.....

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

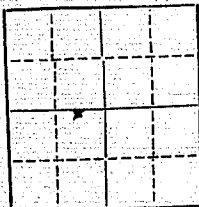
RECEIVED  
MAY 25 1960  
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

T. 29 N R 38 E  
County VALLEY

14

WATER WELL LOG



Owner Edw. T. Brown Address Idaho  
Driller Carl Brown Address Idaho  
Date Started 3/22/60 Date Completed 4/11/60  
Location: Sec. 14 T. 29 R. 38 1/4 sec. NE 1/4 SW 1/4

Type of well Drilled Equipment used Churn  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Other: \_\_\_\_\_

Casing: 7 ft. to 120 ft. Type 6 in. Size 4 1/2 in.  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations \_\_\_\_\_

Static Water level, for non-flowing well: 22 ft. feet.

Shut-in pressure, for flowing well: \_\_\_\_\_ lb./sq. in. on: \_\_\_\_\_ (date)

Pumping water level 110 feet at 5 gal. per min.

How tested: Flowing

Length of test 3 hours

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Gravel packing, cementing, packers, type of shut-off, depth of shut-off

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(over)



# Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	6	P.T.
6	10	Yellow Clay
10	20	Dark Tan Sand
20	30	Gravel
30	40	Sand
40	50	Gravel & Sand
50	60	Gravel & Sand
60	70	Gravel & Sand
70	80	Gravel & Sand
80	90	Gravel & Sand
90	100	Gravel & Sand
100	110	Gravel & Sand
110	120	Gravel & Sand
120	130	Gravel & Sand
130	140	Gravel & Sand
140	150	Gravel & Sand
150	160	Gravel & Sand
160	170	Gravel & Sand
170	180	Gravel & Sand
180	190	Gravel & Sand
190	200	Gravel & Sand
200	210	Gravel & Sand
210	220	Gravel & Sand
220	230	Gravel & Sand
230	240	Gravel & Sand
240	250	Gravel & Sand
250	260	Gravel & Sand
260	270	Gravel & Sand
270	280	Gravel & Sand
280	290	Gravel & Sand
290	300	Gravel & Sand
300	310	Gravel & Sand
310	320	Gravel & Sand
320	330	Gravel & Sand
330	340	Gravel & Sand
340	350	Gravel & Sand
350	360	Gravel & Sand
360	370	Gravel & Sand
370	380	Gravel & Sand
380	390	Gravel & Sand
390	400	Gravel & Sand
400	410	Gravel & Sand
410	420	Gravel & Sand
420	430	Gravel & Sand
430	440	Gravel & Sand
440	450	Gravel & Sand
450	460	Gravel & Sand
460	470	Gravel & Sand
470	480	Gravel & Sand
480	490	Gravel & Sand
490	500	Gravel & Sand
500	510	Gravel & Sand
510	520	Gravel & Sand
520	530	Gravel & Sand
530	540	Gravel & Sand
540	550	Gravel & Sand
550	560	Gravel & Sand
560	570	Gravel & Sand
570	580	Gravel & Sand
580	590	Gravel & Sand
590	600	Gravel & Sand
600	610	Gravel & Sand
610	620	Gravel & Sand
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660	670	Gravel & Sand
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790	800	Gravel & Sand
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810	820	Gravel & Sand
820	830	Gravel & Sand
830	840	Gravel & Sand
840	850	Gravel & Sand
850	860	Gravel & Sand
860	870	Gravel & Sand
870	880	Gravel & Sand
880	890	Gravel & Sand
890	900	Gravel & Sand
900	910	Gravel & Sand
910	920	Gravel & Sand
920	930	Gravel & Sand
930	940	Gravel & Sand
940	950	Gravel & Sand
950	960	Gravel & Sand
960	970	Gravel & Sand
970	980	Gravel & Sand
980	990	Gravel & Sand
990	1000	Gravel & Sand

STATE OF MONTANA } ss.  
 County of Valley.  
 Filed for record  
 MAY 24 1964  
 at 3:00 o'clock PM  
 By Charles E. Clark  
 County Recorder  
 Deputy

415380 16599

## Log of Well

[illegible]

**415380**

16599

RECEIVED

T. 29N R. 38E  
County Valley

STATE ENGINEER  
MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

Sec. <u>14</u>	

Owner Thomas & Lucile Rice Address Glasgow, Montana  
Driller Carl Palm Address Saco, Montana  
Date Started Oct. 30 1957 Date Completed Nov. 2, 1957  
Location: Sec. 14 T. 29N R. 38E  $\frac{1}{4}$  sec. SW, SE

Type of well Drilled Equipment used Churn drill  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☒  
Industrial ☐ Drainage ☐ Other: \_\_\_\_\_

Casing: 0 ft. to 12 ft. Type Black Steel Size 4 1/4" ID  
Casing: 12 ft. to 94 ft. Type Galvanized steel Size 4 1/4" ID  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations \_\_\_\_\_

Static Water level, for non-flowing well: 35' feet.

Shut-in pressure, for flowing well: \_\_\_\_\_ lb./sq. in. on: \_\_\_\_\_ (date)

Pumping water level 37' feet at 16 gal. per min. one

How tested: Baling

Length of test \_\_\_\_\_

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)  
Gravel Packed 6 (six) feet

(over)

[illegible]

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